

**Notice of Allowability**

Application No.

09/640,963

Examiner

Khanh Tran

Applicant(s)

SHOHARA, AKI

Art Unit

2631

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Amendment After Final Action filed on 02/13/2006.
2. ☒ The allowed claim(s) is/are 1-42.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |   |   |
|---|---|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892)  | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)           |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                                | 6. <input type="checkbox"/> Interview Summary (PTO-413),<br>Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),<br>Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment                              |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br>of Biological Material          | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance  |
|   | 9. <input type="checkbox"/> Other _____   |

1. The Amendment After Final Action filed on 02/13/2006 has been entered.

Claims 1-42 are pending in this Office action.

### ***Response to Arguments***

2. Applicant's arguments, see pages 10 of Applicant's Remarks, filed on 02/13/2006, with respect to claims 21-42 have been fully considered and are persuasive. The rejection of claims 21-42 has been withdrawn after Applicant amended independent claims 21, 27 and 34 to include allowable features.

### ***Reasons for Allowance***

The following is an examiner's statement of reasons for allowance:

3. Regarding claim 1, claim is allowable over prior art of record because the cited references (Laskowski US 5,566,189), taken individually or in combination, fail to particularly teach or suggest the method of compressing puncture mask information as set forth in the claim.

4. Regarding claim 8, claim is allowable over prior art of record because the cited references (Laskowski US 5,566,189), taken individually or in combination, fail to particularly teach or suggest the method of decompressing and using a puncture mask as set forth in the claim.

5. Regarding claim 19, claim is allowable over prior art of record because the cited references (Laskowski US 5,566,189), taken individually or in combination, fail to particularly teach or suggest a code puncture apparatus comprising a run length decoder, a differential operator, and a puncture mask register as set forth in the claim.

6. Regarding claim 21, claim is allowable over prior art of record after Applicant amended claim to add allowable limitations "wherein the compressing of the puncture mask comprising: generating a first set of bits based on the puncture mask" and "generating a second set of bits by performing an XOR function with the first set of bits and the puncture mask" and "compressing the second set of bits".

7. Regarding claim 27, claim is allowable over prior art of record after Applicant amended claim to add allowable limitations "wherein the compressing of the puncture mask comprising: generating a first set of bits based on the puncture mask" and "generating a second set of bits by performing an XOR function with the first set of bits and the puncture mask" and "compressing the second set of bits".

8. Regarding claim 34, claim is allowable over prior art of record after Applicant amended claim to add allowable limitations "wherein the compressing of the puncture mask includes generating a first set of bits based on the puncture mask" and "generating a second set of bits by performing an XOR function with the first set of bits and the puncture mask" and "compressing the second set of bits".

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khanh Tran whose telephone number is 571-272-3007. The examiner can normally be reached on Monday - Friday from 08:00 AM - 05:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mohammad Ghayour can be reached on 571-272-3021. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Art Unit: 2631

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Khanh Cong Tran

02/13/2006

Examiner KHANH TRAN